

DDA SUBJECT FILE COPY

ADDA *[Signature]* 28 APR 1988

DDA *[Signature]* 28 APR 1988

*Joyce*  
DDA REGISTRY

*make suspense copy*

## ROUTING AND TRANSMITTAL SLIP

Date  
28 APR 86EXECUTIVE SECRETARIAT  
ROUTING SLIP

DDA Subj

TO: (Name, office symbol, room number, building, Agency/Post)

1. DIRECTOR OF INFORMATION TECHNOLOGY

2.

3.

4.

5.

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

## REMARKS

#1 - FOR YOUR HANDLING AND DIRECT RESPONSE  
AS APPROPRIATE. PLEASE PROVIDE EXO/DDA  
AND ER WITH A DROP COPY.

SUSPENSE: 9 MAY 1986

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.  
7D24 HQS

Phone No.

EXO/DDA

5041-102

OPTIONAL FORM 41 (Rev. 7-76)  
Prescribed by GSA  
FPMR (41 CFR) 101-11.206

TO:

	ACTION	INFO	DATE	INITIAL
1	DCI			
2	DDCI			
3	EXDIR			
4	D/ICS			
5	DDI			
6	DDA	X		
7	DDO			
8	DDS&T			
9	Chm/NIC			
10	GC			
11	IG			
12	Compt			
13	D/OLL			
14	D/PAO			
15	D/PERS			
16	VC/NIC			
17	D/OIT/DA		X	
18				
19				
20				
21				
22				

SUSPENSE \_\_\_\_\_ Date \_\_\_\_\_

## Remarks

TO #6: For your handling and direct response as appropriate.

Executive Secretary

25 April 86  
Date

3637 (10-81)



Executive Registry
SC- 1776X



April 18, 1986

William J. Casey  
Director of Central Intelligence  
Central Intelligence Agency

Washington, D.C. 20505

Dear Mr. Casey,

I would like to introduce you to Enixsys, a security board for IBM PC/AT/3270s and compatibles. Enixsys was designed to meet the policy objectives of NSDD 145 and NACSI 6002 regarding security for telecommunications dealing with Unclassified National Security Related Information.

Enixsys was designed, and is manufactured in San Diego by Vutek Systems, Inc. It has been in production since mid 1985 and is presently available for government agencies, government contractors and major corporations where there is a need for protecting sensitive data.

Enixsys meets Federal requirements for security of passwords and encryption of sensitive data. It is a product which should be considered by all government agencies for system and/or data security. We welcome any inquiries for more information relating to either the security needs we address, or technical data on the Enixsys security system.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Roger Estey'.

Roger Estey  
Security Products



**Vutek**  
SYSTEMS, INC.

4-16-86

F O R I M M E D I A T E R E L E A S E

# VUTEK ANNOUNCES "ENIX.SYS"

## SECOND GENERATION P.C. SECURITY PRODUCTS

San Diego, CA. Vutek Systems, Inc. today announced the introduction of ENIX.SYS, a Second Generation hardware based P.C. systems and data security solution. Vutek will be remembered for the creation of the ENIGMA, the standard of first generation security products for the P.C.

ENIGMA has been accepted by government, industry and banking as offering "...total and complete solutions to the security issues surrounding the use of P.C.'s in sensitive environments....". ENIX.SYS is completely compatible with ENIGMA and offers complete file and system interchangeability from machine to machine or over SNA or other telecommunications lines.

The ENIX.SYS represents a dramatic improvement in security features over the ENIGMA, thus dubbing it the Second Generation Security Product. It's now being specified by corporate America, banking and financial institutions, as well as numerous government agencies.

ENIX.SYS is presently being used as the standard security method by Modem manufacturers, Networking firms, SNA interfaces, software houses and other OEM's to secure a wide variety of

computing environments.

ENIX.SYS offers a comprehensive set of features that are unavailable on any other alleged security product. ENIX.SYS, being a hardware based security product, is the only method approved by the government for secure installations.

Data security has become a major concern for computer users including not only major Fortune companies and government agencies, but also all defense contractors, small businesses, municipalities, law firms, schools and so on.

Main frame users have a security capability available to them. Through the proliferation of PCs, first as stand-alone units, then in LANs and now PC to mainframe (including mass storage availability and increased processing power) have greatly enhanced the functionality and demand for personal computers. At the same time, it has opened the floodgates to unauthorized access to sensitive data.

Unauthorized access can take the form of hackers getting into databases and either obtaining information illegally, or worse, destroying data. While hackers get the most publicity, an even greater threat is unauthorized people within an organization- disgruntled employees, contractors, guards, cleaning people, etc, gaining access to sensitive company data. This can take the form of passive entry (reading or copying data) or active (destroying data), but both are potentially devastating to any organization.

This sensitive data is not just government/defense related, but can be as common as accounting/payroll data, personnel files, customer lists, new product design--anything you would not want to be made available to the public, or your competition!

The goal for data security as specified by industry and government is a system that is simple to use and inexpensive, while still providing the highest degree of security without becoming oppressive. ENIX.SYS provides this degree of security, which is only available with a hardware product, by providing the following features:

#### ENIX.SYS FEATURES

- \* Multiple security options.
  - \* Installed in minutes.
  - \* No user learning curve.
  - \* Totally prevents unauthorized P.C. access.
  - \* User friendly, menu driven options.
  - \* Higher degree of security than software based systems without the attendant complexities.
- 
- \* CONTROLLED SYSTEM ACCESS  
Two levels of Password and login access required prior to invoking the operating system.
  - \* TIME ZONE CONTROL  
Allow authorized users access only at designated times of the day and week.

- \* SYSTEM SHUT DOWN  
Totally prevent access at designated time periods- hours, days, weekends, etc.
- \* LOGOFF ALARM  
Notifies user of impending system shut down.
- \* SYS-OP MASTER USER  
Can override functions of individual users, assign passwords, re-set user shut down after designated user period, set time zones, select Master Embedded Keys, etc.
- \* LOGOFF  
Automatically log user off at end of designated time period.
- \* KEYBOARD LOCK  
Keyboard lock and blank the screen while temporarily away.  
Allows background tasking (such as E-Mail) to continue.
- \* SUBDIRECTORY ACCESS CONTROL  
Allow users access only to designated subdirectories.
- \* HARD DISK ACCESS CONTROL  
Prevent access to the hard disk if ENIX.SYS removed. Avoids accidental or intentional erasure or vandalism.
- \* ENCRYPTION/DECRYPTION  
Hardware encryption according to Federally approved DES standards. Meets Government and Industry specifications.
- \* INFINITE ENCRYPTION  
Unlimited encryption upon encryption (with same or shifting Keys) for additional data security.
- \* MESSAGE AUTHENTICATION  
Meets ABA standards (Dept. of Treasury, Federal Reserve Board) for electronic funds transfer.
- \* SECURE TELECOMMUNICATIONS  
Encrypt data prior to transmission over phone lines.  
Compatible with all Modems and Telecommunication packages.
- \* SECURE DISK  
Auto encrypt data on removable disks for transfer or

storage. This is the only permitted method by the Federal Government.

\* BACK-UP FILE SECURITY

Encrypt data on back-up medium for additional security.

\* ATTEMPTED INTRUSION LOG

Identify potential intruders with Log of time, date and password of attempted entry. 3 Failed attempts shuts down the P.C.

\* AUDIT TRAIL

Log of successful entries can be used to audit system usage and to help allocate time where there are multiple users.

\* ANTI-MOLE TECHNOLOGY

ENIX.SYS prevents the direct reading of signals coming from the keyboard, thus preventing an intruder from hiding a program in the system which could read and record data entered through the keyboard. The reading of these signals by unauthorized users would result in a compromise of passwords, encryption keys, message authentication codes and other sensitive data. This is a potential security breach overlooked in other systems, but available only with ENIX.SYS.

\* OPEN ARCHITECTURE

All security features are packetted in "modules" which can be "called for" when needed by software programs, modems, SNA and networks. Vutek offers complete interfacing and Programming assistance for software and hardware developers to include ENIX.SYS security features at no charge.

\* TRANSPARENT USAGE

By incorporating the open architecture feature, the security options are transparent to the users and hardware used in



telecommunications, network and all SNA systems.

## ENIX.SYS SPECIFICATIONS

- \* IBM PC/XT/AT, 3270PC compatible.
- \* Compaq, ITT, ATT, NCR, Sanyo, Zenith, Kaypro,
- \* Fits in 1/2 Slot.
- \* DOS 2.1, 2.0, 3.1 compatible

Data Transfer (Encryption/Decryption) Rate:

- \* P.C. at 4.77 MHz.: 10.5 Megabits/Min. (22K Bytes/Sec)
- \* A.T. at 6 MHz. : 21.6 Megabits/Min. (45K Bytes/Sec.)  
(Higher clock rates accelerate proportionately)
- \* Electronic Code Book
- \* Cypher Feedback (n bit) (n= 1 to 64)
- \* Cypher Block Chaining
- \* Write Protected 24 Hour, Day, Week, Month Clock
- \* Key Options: 72 Quadrillion+ (2 to the 56th power)
- \* PassWord/Login Options: (2 to the 58th power each)
- \* 64 bit Data Words using 56 Bit Key Words.
- \* Parity Check on Key loading.
- \* Automatic Self check/Diagnostics
- \* On board Keys kept in encrypted form.
- \* CMOS battery backed up
- \* Real time clock/calendar independent of system clock
- \* Data transparent to Modems, software, SNA, etc.

ENIX.SYS meets following standards:

- \* Encryption Method certified by N.B.S.
- \* D.E.S. set in hardware
- \* N.B.S., National Bureau of Standards for encryption
- \* N.S.A., National Security Agency standards for CCEC
- \* N.S.A. regulation 1027 for computer security
- \* Message Authentication Code (M.A.C.)
- \* X9.17 for M.A.C.
- \* A.B.A. (American Banking Association) for M.A.C.
- \* FIPS 112 for password management
- \* Department of Treasury
- \* Federal Reserve Board
- \* NSDD 145 compliance
- \* ANSI X3.92-1981
- \* FIPS 46
- \* Export Control as per Title 22; CFR Parts. 121-128
- \* National Computer Security Center

ENIX.SYS is the most widely accepted standard of P.C. data and systems security. It is used by major corporations, banks and government to insure 100% security.

Vutek offers a complete range of programs for ENIX.SYS. OEM and custom applications are handled through the Security Products Division, OEM Department. Private Label sales are handled through Vutek Key Accounts as are Chain Store, Franchise and Distribution Sales.

ENIX.SYS retails for U.S. \$325, and discounts vary according to volume and customization as required. ENIGMA (which retailed for \$250) users may have an updated version sent to them for \$20 directly from Vutek Systems.

For further information, contact:

Vutek Systems  
10855 Sorrento Valley Road  
San Diego, CA 92121

1-800-621-0852 Ext. 152  
1-619-587-2800

Public Relations Dept.  
Security Products Division, or  
OEM Sales.

86-0669X

DDA REGISTRY

FILE: 45-1

ROUTING AND TRANSMITTAL SLIP		Date
		7 Apr 186
TO: (Name, office symbol, room number, building, Agency/Post)	Initials	Date
1. D/OCR/DI		
2.		
3.		
4.		
5.		
Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	✓ For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

Retain or destroy.

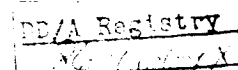
DO NOT use this form as a RECORD of approvals, concurrences, disposals,

1 FT 1 SC		
	Room No.—Bldg.	
	Phone No.	
L FORM 41 (Rev. 7-76) by GSA		

U.S.G.P.O.: 1983-421-529/320

FPMR (41 CFR) 101-11.206

STAT



## Information Industry Association

555 New Jersey Avenue, N.W., Suite 800  
Washington, D.C. 20001  
202/639-8262

Cable: INFORMASSN WASHINGTON

### In Business, The Value Of Information Is Determined By What's At Stake In The Decision

Information is a strategic resource -- as important to your corporate success as human or capital resources. When it's decision time, having access to the right information makes the difference between a decision and a guess.

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Michael Atkin  
Director of Marketing

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